

California Postsecondary Education Commission

Improving Teacher Quality State Grants Program

Project Description

Project Title	Irvine Mathematics Project STIR		
Grant Amount: \$124010	Grant Period: February 1, 2007- May 31, 2008		
Grade Level: 6-12	Subject Matter: Mathematics		
Institute of Higher Education	UC Irvine		
Local Education Agency	Compton Unified School District		
Additional Partners:			
Need for Project/ Population To Be Served:	<p>The Compton Unified School District (CUSD) failed to retain 44% of its grades 6-12 math teachers this past year. This percent is typical of the loss the district faces each year in mathematics. Furthermore, more than 25% of the 6-12 math teachers do not hold a single subject math credential. CUSD offers an \$11,000 signing bonus in efforts to recruit math teachers. While past partnership work with IMP has resulted in significant and larger growth in math scores grades 2-5, the secondary teachers are struggling to help their students attain mastery of the standards. Thus, CUSD has expressed their utter need to partner with IMP STIR to focus on math teacher professional development and retention at the secondary level.</p>		
Project Goals:	<p>IMP STIR will align with the project goals as stated in the CMP STIR RFP. Target Group: 2, but inclusive of Target Groups 1 and 3. Our primary method for increasing teacher retention in CUSD is by supporting mathematics teachers through intensive professional development and systematic and sustained support programs that will increase mathematics teacher retention; increase mathematics teachers within schools; deepen teachers' content knowledge by providing professional development aligned to California Content Standards; establish a school culture that is collegial and supportive between math teachers and administrators; and develop leadership within CUSD communities. Research will add to the knowledge base of teacher retention through this grant. This proposal includes collection data on student achievement. These goals support teacher roles: teacher as a lifelong learner, teacher as a professional, teacher as a classroom teacher, and teacher as a leader.</p>		
Summary of Activities:	<p>IMP STIR partners with CUSD to plan, implement, and lead professional development in the content area of mathematics. An intensive, 2-week summer 2007 workshop propels the grant forward, and leadership and professional development workshops throughout the school years will sustain growth of content knowledge and teacher retention. Assessments, surveys, and interviews will guide instruction and development of the courses offered within this grant. Program content includes pedagogical content knowledge, instructional strategies, curricular knowledge, and classroom management.</p>		
Outcomes Expected:	<p>Teachers participating in the retention cohort professional development will have a higher teacher retention rate and engage in more leadership and career enhancement activities than teachers in the comparison cohort. Additionally, retention cohort teachers will show increases in mathematics content knowledge as a result of participation.</p>		
Teachers Served	91	Students Served	16,380
Project Website:			
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